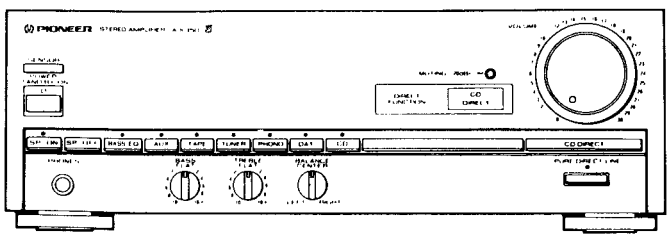
PIONEER®
The future of sound and vision.

Original

Operating Instructions
Mode d'emploi
Bedienungsanleitung
Istruzioni per l'uso
Gebruiksaanwijzing
Bruksanvisning
Manual de instrucciones
Manual de instruções

A-X350

STEREO AMPLIFIER
AMPLIFICATEUR STEREO
STEREO-VERSTÄRKER
AMPLIFICATORE STEREO
STEREOVERSTERKER
STEREOFÖRSTÄRKARE
AMPLIFICADOR STEREO
AMPLIFICADOR ESTÉREO



English
Français
Deutsch
Italiano
Nederlands
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Português

IMPORTANT

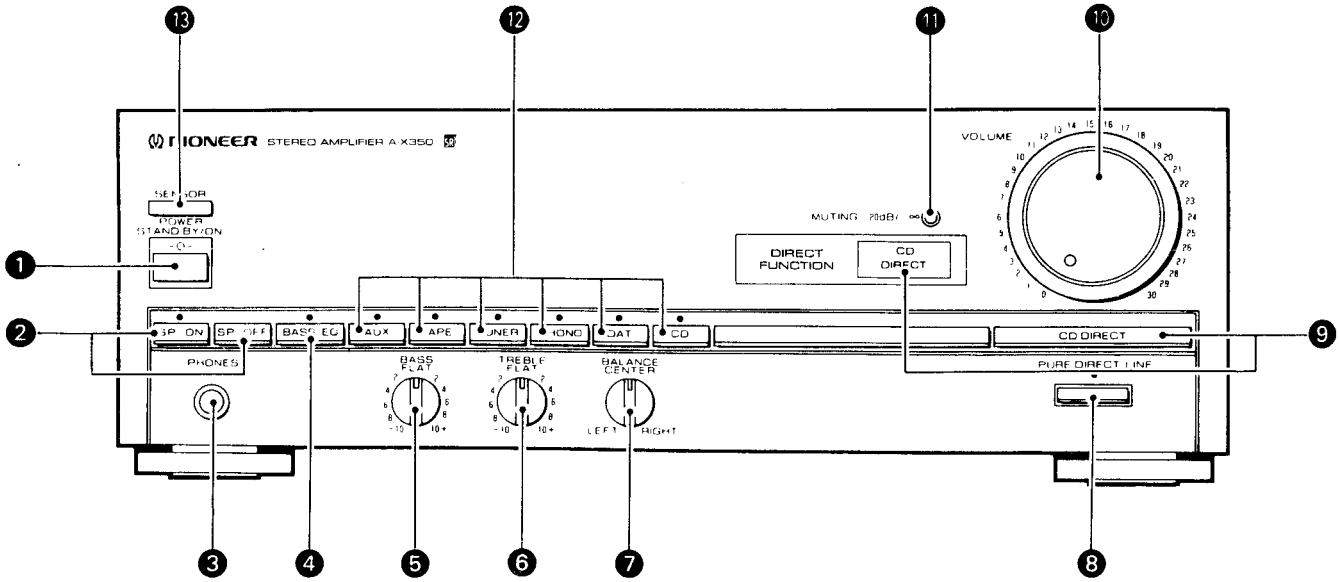
The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

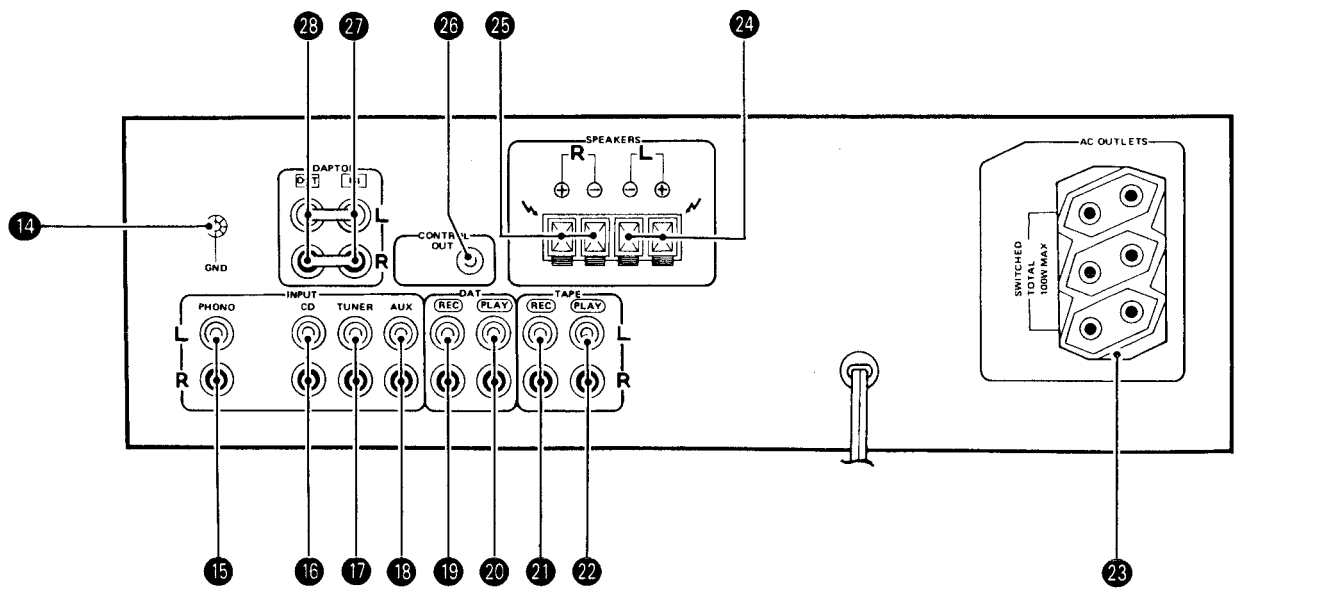
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

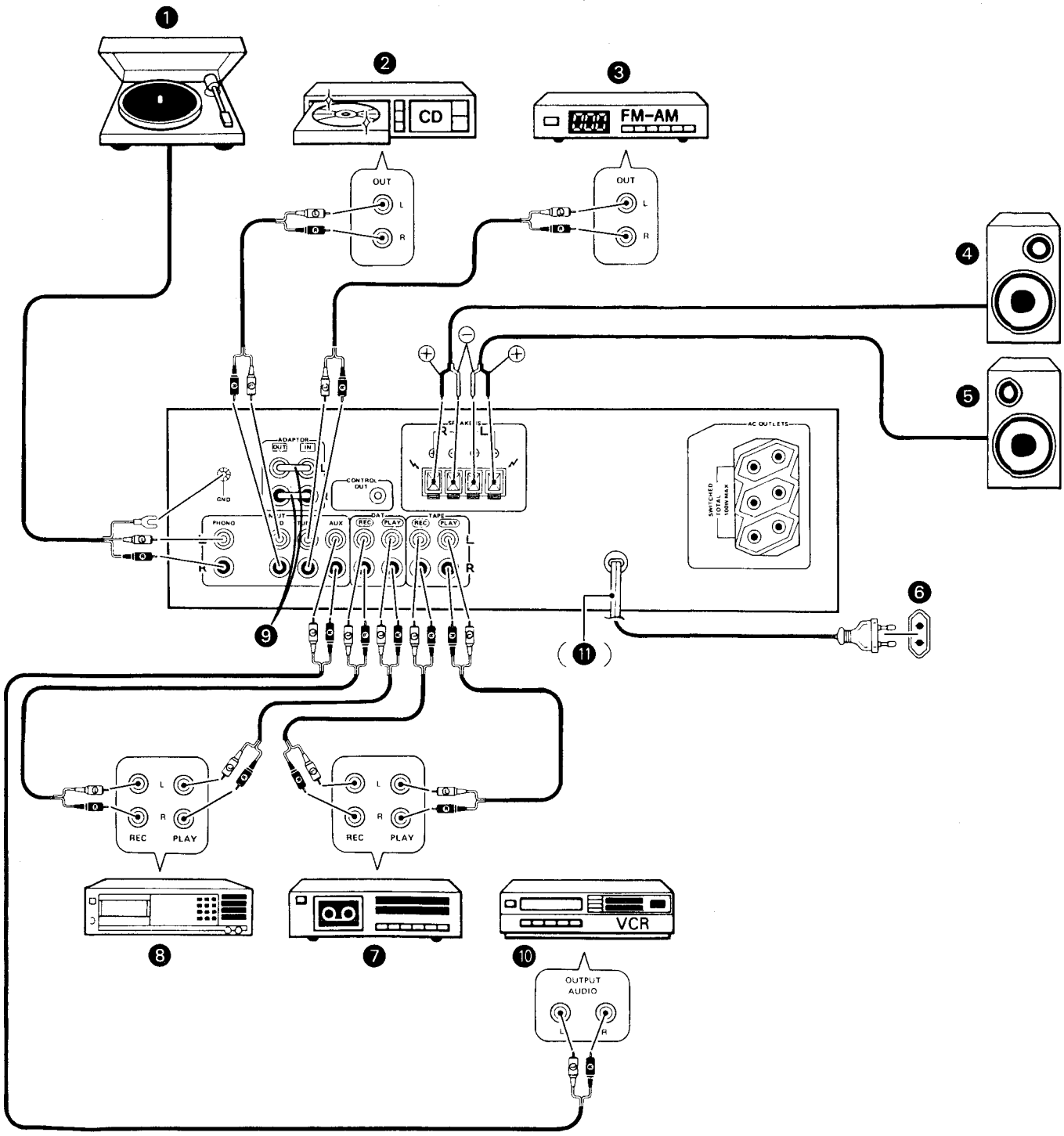
The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

EINRICHTUNGEN AN DER PLATTE





⑭ GND (PHONO)
⑮ PHONO INPUT
⑯ CD INPUT
⑰ TUNER INPUT
⑱ AUX INPUT
⑲ DAT REC
⑳ DAT PLAY
㉑ TAPE REC
㉒ TAPE PLAY
㉓ AC OUTLETS
㉔ SPEAKERS L
㉕ SPEAKERS R
㉖ CONTROL OUT
㉗ ADAPTOR IN
㉘ ADAPTOR OUT


1
2
CD
3
FM-AM
OUT
L
R
4
5
ADAPTOR
OUT
IN
CONTROL
OUT
SPEAKERS
AC OUTLETS
SWITCHED
TOTAL MAX
GND
PHONO
AUX
DAT
TAPE
REC
PLAY
9
11
6
REC
PLAY
8
7
VCR
10
OUTPUT
AUDIO

Thank you for buying this PIONEER product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

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FEATURES

High Power Output of 45W + 45W/8Ω (DIN)

The Newly Developed Non-Switching Circuitry Guarantees High-Quality Sound Reproduction.

The DIRECT input switch is provided for true reproduction of compact discs and digital audio tapes.

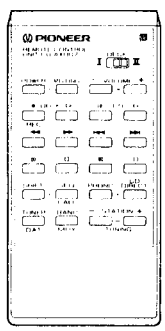
The accessory remote control unit may be used for basic remote control operation of the amplifier, tuner, CD player, cassette deck and graphic equalizer.

PURE DIRECT LINE switch
When using the CD DIRECT input function, this switch cuts the input of the other sources which are not used at the input stage of the amplifier. Thus, the reproduction of even purer sound is made possible.

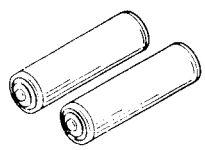
NOTE:
The word "DAT" in this manual refers to digital audio tape decks. Terminals and switches are marked "DAT" for your convenience if you purchase such a deck in the future.

BEFORE USING THIS COMPONENT

Make sure that all accessories are included.
Remote control unit.....1
(CU-AX007)



Dry-cell batteries (Size AAA/R03)
.....2



NOTE:
If dry-cell batteries are misused, leakage and rupture may occur. Be sure to note the following precautions:
- *Insert batteries with correctly aligned polarities as shown in the diagram within the battery case.*
- *Do not mix fresh batteries with already used batteries.*
- *Batteries of the same size may differ in voltage depending on the manufacturer. Do not use batteries of different make together.*

CONNECTIONS

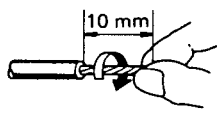
See page 3 for connections.

Name of connected components

❶ Turntable
❷ CD player
❸ Tuner
❹ Speaker system (R)
❺ Speaker system (L)
❻ AC wall socket
❼ Cassette deck
❽ Digital audio tape deck (DAT)
❾ Shorting bars
❿ Video cassette recorder
(⓫ Power cord)
Connect this cord to an AC wall socket, or the AC outlet of an optional audio timer.

CONNECTING SPEAKER WIRES

1. **Strip off the vinyl covering and twist the tip of the wire.**



2. **Raise the lever in the direction of the arrow and insert the exposed conductor into the hole.**
3. **Now return the lever to its original position to secure the cord.**

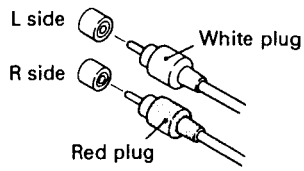
NOTE:
Do not allow any of the cord conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other.

Speaker Impedance

When speaker systems are connected to only one of the SPEAKERS terminals, such speakers should have rated impedance in the range of 8 – 16 Ω.

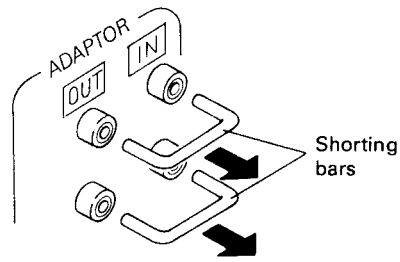
CONNECTING INPUT/OUTPUT CORDS

Connect the white plug to the L (left) side, and the red plug to the R (right) side. Be sure to push the plugs in securely.

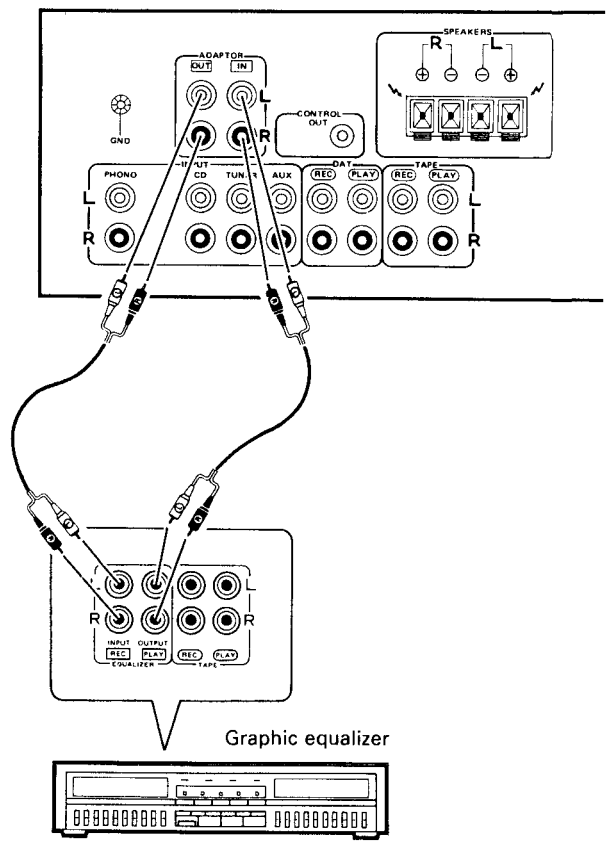


Connection of Graphic Equalizer or Audio Adaptor

NOTE:
Remove the shorting bars only when connecting a graphic equalizer to the ADAPTOR terminals. Always keep the bars inserted while the terminals are not in use, and take care not to lose them.



A-X350

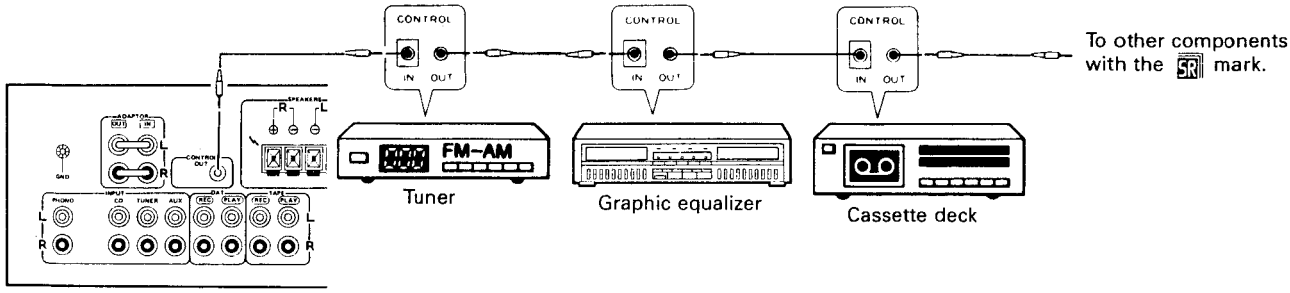


CONNECTING THE CONTROL OUT TERMINAL

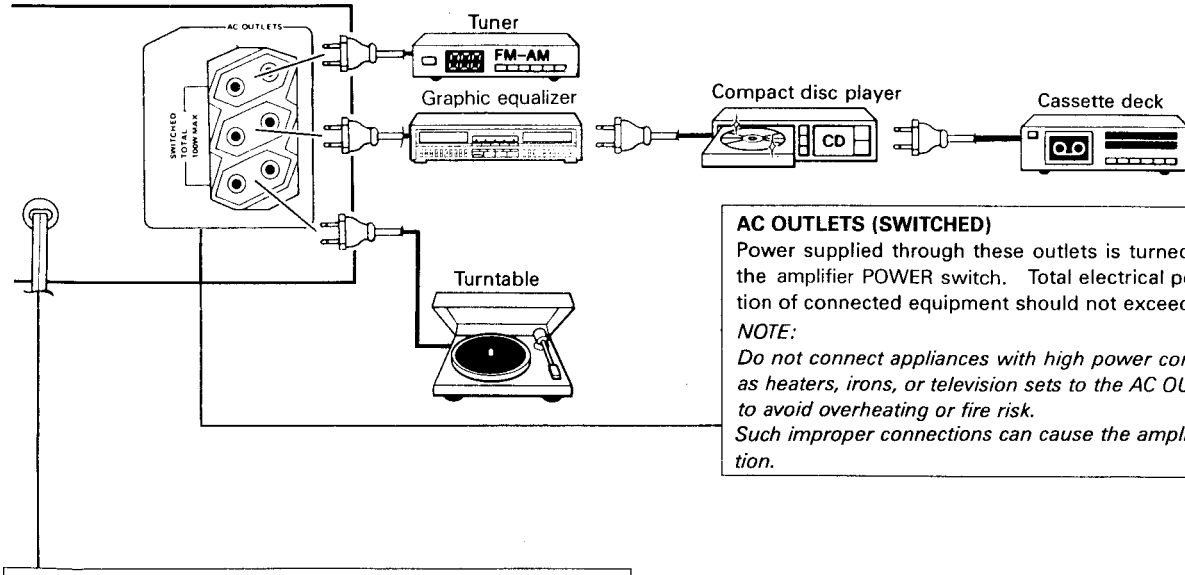
Connect this terminal with another Pioneer component bearing the SR mark.
In this way, the signals received from the remote control unit will be transmitted to the other component with the SR mark.
Connect to the CONTROL IN terminal of one of the other components.

- Use the accessory control cords supplied with the SR-marked components.
- Be sure to insert the plugs securely.

NOTE:
You cannot control all other units with the remote control unit by simply making this one connection. Be sure to connect all units with the SR mark in series.



CONNECTING THE POWER CORDS (examples)



AC OUTLETS (SWITCHED)
Power supplied through these outlets is turned on and off by the amplifier POWER switch. Total electrical power consumption of connected equipment should not exceed 100W.
NOTE:
Do not connect appliances with high power consumption such as heaters, irons, or television sets to the AC OUTLETS in order to avoid overheating or fire risk.
Such improper connections can cause the amplifier to malfunction.

Power cord of the amplifier
Connect this cord to an AC wall socket, or the AC outlet of an audio timer.

NOTE:
After connecting the power cord, the amplifier enters the STANDBY mode.

PANEL FACILITIES

See page 2 for panel facilities.

FRONT PANEL

❶ POWER (STANDBY/ON) switch/indicator

- When the power cord is connected to a wall socket, the power will remain on even when the POWER switch is turned off. The unit is in the standby mode.
- This indicator lights when the unit is in the standby mode.
- The accessory remote control unit can also be used to turn the amplifier on or standby (STANDBY function).
- The POWER switch selects the transformer secondary even in STANDBY position. The unit circuitry will work as long as the power cord is connected to a wall socket.
- When not using the unit for a long period, disconnect the power cord.

❷ Speaker switches (SP-ON, SP-OFF)

Depress this switch for sound reproduction with the speaker systems connected to the SPEAKERS terminals.

ON:
Indicator lit: Sound is heard from the speaker systems.

OFF:
Indicator off: No sound is heard from the speaker systems. Set to this position when listening with headphones.

❸ PHONES jack

When using headphones, insert the plug into this jack.

❹ BASS EQ switch/indicator

By pressing this switch (ON), the indicator will light and powerful sound reproduction will be obtained.
Use this function as desired when listening to a digital source such as a compact disc.

NOTE:
This function does not operate when the CD DIRECT switch is in the ON position.

❺ BASS tone control

Use to adjust the low-frequency tone. The center position is the FLAT (normal) position. When moved to the right, low-frequency tones are emphasized; when moved to the left, low-frequency tones are de-emphasized.

NOTE:
This control does not operate when the CD DIRECT switch is in the ON position.

❻ TREBLE tone control

Use to adjust the high-frequency tone.
The center position is the FLAT (normal) position. When moved to the right, high-frequency tones are emphasized; when moved to the left, high-frequency tones are de-emphasized.

NOTE:
This control does not operate when the CD DIRECT switch is in the ON position.

❼ BALANCE control

Should normally be left in the center position. Adjust balance if the sound is louder from one of the speakers. If the right side is louder, move toward the LEFT and if the left side is louder, move toward the RIGHT.

NOTE:
This control does not operate when the CD DIRECT switch is in the ON position.

❽ PURE DIRECT LINE switch/indicator

When the CD DIRECT switch is turned on, the indicator lights when this switch is pressed, and the input signals of other sources which are not used are cut at the input stage of the amplifier.
Recording is not possible when the PURE DIRECT LINE switch is on.

❾ CD DIRECT switch/indicator

Press the corresponding switch when you do not wish to pass the output from the unit connected to the CD terminals through the various frequency adjusting circuits (BASS, TREBLE, BASS EQUALIZER, BALANCE, ADAPTOR terminal).
When the CD DIRECT switch is pressed, the corresponding indicator lights.

ON:
When one of the switches is in this position, the corresponding indicator lights and the signal input from the CD terminals is reproduced without passing through the various frequency adjusting circuits.
This results in flat, pure sound which is a more faithful reproduction of the digital source.

OFF:
When the switch is in this position, the indicator goes out, and the signal selected by the input selector switch is reproduced.

❿ VOLUME control/indicator

Use to adjust the volume level.
Move to the right to increase volume.
Move to the left to decrease volume.

The volume indicator lights as follows:
When muting is off: Yellow
At − 20 dB : Red
At − ∞ dB : Flashing red
When volume is turned up or down with the remote control unit:
Flashing yellow or red

Adjustment can also be performed with the accessory remote control unit.

⓫ MUTING (− 20 dB/− ∞) switch

Use to temporarily cut sound volume.
Muting changes in cycles as follows:

OFF → − 20 dB → − ∞

⓬ Input selector switches/indicators

Use to select playback source.

CD:
Press for compact disc playback with a CD player.

DAT:
Press for playback of a (DAT) tape with a (DAT) tape deck.

PHONO:
Press for record playback with a turntable.

TUNER:
Press for reception of AM or FM broadcasts with a tuner.

TAPE:
Press for playback of a tape with a cassette deck.

AUX:
Press for playback with a stereo component connected to the AUX jacks.

⑱ Remote SENSOR window
The accessory remote control unit can also be used to operate this component.

This component features a built-in microcomputer which will recall the last-set positions of the following switches for up to about one week after the power cord is disconnected. As a result, when the power is turned ON again, the previously set positions will be recalled automatically:

- SP-ON/SP-OFF switches
- BASS EQ switch
- CD DIRECT switch
- INPUT selector switches
- POWER STANDBY/ON
- MUTING switch
- PURE DIRECT LINE switch

When the unit is disconnected from the wall socket for more than a week, the memorized setting positions will be erased, and returned to the following settings:

- POWER switch ..... STANDBY
- MUTING switch ..... OFF
- Input selector switches ..... TUNER
- BASS EQ on/off switch ..... OFF
- CD DIRECT switch ..... OFF
- PURE DIRECT LINE switch ..... OFF
- Speaker SP-ON/SP-OFF switches ..... OFF

OPERATIONS

BEFORE BEGINNING OPERATIONS

Set the controls and switches as follows: See page 2.

1. **Set the VOLUME control ⑮ to the 0 position.**
2. **Set the POWER switch ❶ to ON.**
3. **Press the speaker switches (SP-ON) ❷.**
4. **Set the BALANCE control ❼ to the center position.**
5. **Set the CD DIRECT switch ❾ to OFF.**

PLAYBACK PROCEDURES

1. **Press one of the input selector switches.**
   Use to select the playback source.
- For playback of a compact disc: Press [CD].
- For playback of a DAT: Press [DAT].
- For playback of a tape: Press [TAPE].
- For playback of a record: Press [PHONO].
- For reception of an AM/FM broadcast: Set to [TUNER].
- For playback with the equipment connected to the AUX terminals: Press [AUX].

2. **Operate the equipment to begin playback.**
3. **Adjust the playback volume with the VOLUME control on this unit.**

Playback using a graphic equalizer

All sources can be processed by a graphic equalizer connected to the ADAPTOR terminals. However, equalization is not possible when the CD DIRECT switch is set to ON.

RECORDING TAPES

Recording the source selected with the input selector switch:

1. **Select the recording equipment with the input selector switch.**
- While listening to playback on equipment connected to the rear panel terminals, you can record these same sounds on tape merely by setting your cassette deck to the recording mode.
- Refer to the operating instructions for your cassette deck for proper operating procedures.
- Equalized recording is possible when a graphic equalizer is connected to the ADAPTOR terminals.

NOTE:
It is possible to record the source selected with the input selector switch regardless of the position of the CD DIRECT switch.

2. **Begin recording by operating the recording equipment and the cassette deck.**

REMOTE CONTROL UNIT OPERATION

REMOTE CONTROL UNIT

In addition to operating this unit, the remote control unit can also be used to operate other Pioneer components bearing the SR mark.

❶ POWER key

❷ MUTING key

❸ VOLUME (−: down, +: up) key

❹ CD DIRECT key

❺ GEQ/CALL key

GEQ on/off key:
When using the optional graphic equalizer GR-X550, this switch selects whether the input signals pass through the equalizer circuits or bypass the circuits.

CALL key:
First press the SHIFT key, then press this key. When using P (Preset) mode, the pre-programmed 5-mode memories can be called.

❻ DECK I or DECK II keys

▷ (Play) : Press for forward direction playback. (The amplifier switches to TAPE input.)
▯▯ (Pause): Press to temporarily pause recording or playback (only DECK II).
►► : Winds the tape quickly from left to right.
◄◄ : Winds the tape quickly from right to left.
□ (Stop) : Stops tape travel.
● (REC) : First press the SHIFT key, then press this key to record. Recording is only possible in the forward direction.

NOTE:
The CT-X350W CASSETTE DECK cannot be operated with this unit.

❼ PHONO key

When this key is pressed, the amplifier input is set to the PHONO position.

❽ Tuner keys

TUNER:
When this key is pressed, the amplifier input is set to the TUNER position.

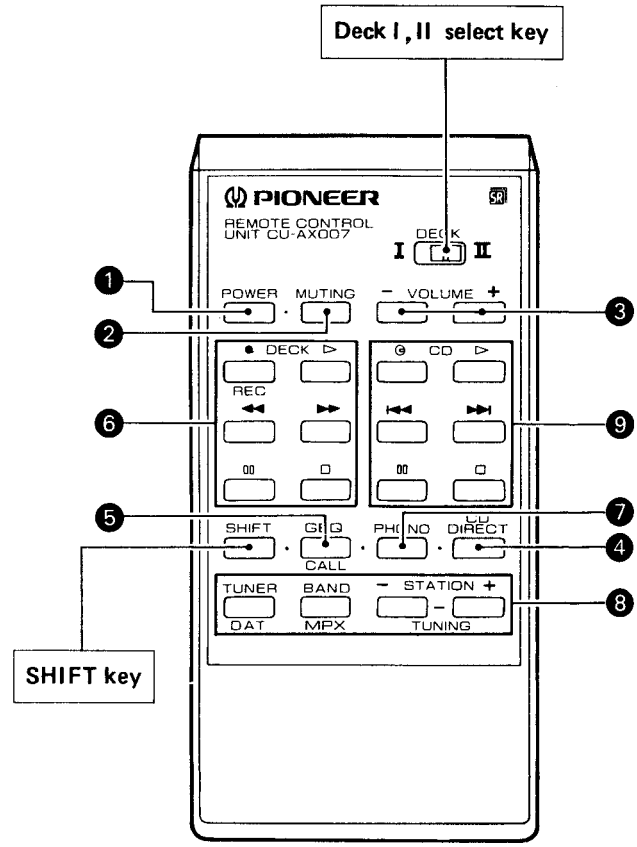
STATION:
The stations memorized in the STATION number switches can be recalled as follows:

+: Station number increases one at a time.
−: Station number decreases one at a time.

Tuning up and down:
First press the SHIFT key, then press the "+" or "−" key.

BAND:
This key is used to select the band of the desired station. The bands change alternately each time the switch is pressed.

FM reception → AM reception →



❾ CD keys

▷ (Play) : Begins playback. (The amplifier switches to CD input.)
▯▯ (Pause) : Press to temporarily pause playback.
□ (Stop) : Press to stop playback.
⊜ (DISC NUMBER) :
Used to select one of the disc numbers (1 − 6) for playback. Use this key for a Pioneer CD player with a magazine system.

NOTE:
Note that the DISC number key on the accessory remote control unit may not function, depending on the CD player used.

►►| (Track search):
When pressed once, the laser pickup advances to the beginning of the next track; when pressed continuously, the pickup advances to further tracks.

|◄◄ (Track search):
When pressed once, the laser pickup returns to the beginning of the currently playing track; when pressed continuously, it returns to earlier tracks.

Functions used in combination with the SHIFT key

Be sure to press the SHIFT key first and keep it pressed while operating other keys.

[SHIFT] + [REC ●] : Begin the cassette deck recording.

[SHIFT] + [STATION/TUNING +] : Manual tuning up.

[SHIFT] + [STATION/TUNING −] : Manual tuning down.

[SHIFT] + [BAND] : Selection of MPX (MONO/STEREO) mode.

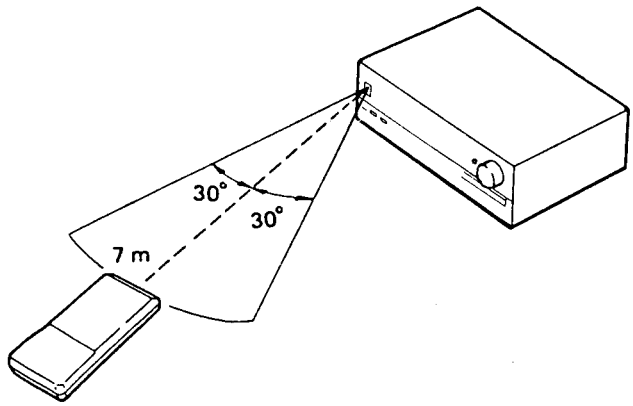
[SHIFT] + [TUNER] : Amplifier input set to DAT.

[SHIFT] + [GEQ] : The pre-programmed memories can be called.

Refer to each instruction manual for operation of the tuner, turntable, cassette deck, CD player and graphic equalizer.

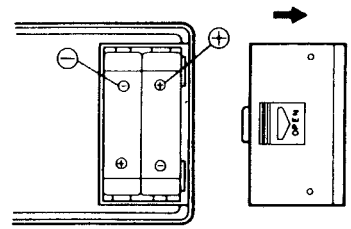
Range of Remote Control

When the remote control unit is pointed at the remote control sensor window on the stereo amplifier and any of its keys is pressed, the amplifier and other components can be operated by remote control.
Distance: Within a range of about 23 feet (7 meters) from the remote control sensor window of the unit.
Angle: Within approximately 30 degrees from the center of the remote control sensor window of the unit.
Remote control will not be possible if there is an obstacle between the remote control unit itself and the remote control sensor window of the amplifier.



Loading the batteries into the remote control unit

(1) Open the battery compartment lid on the rear panel and insert the supplied batteries, taking care to arrange the polarities in the directions shown.
(2) Replace the battery compartment lid.



NOTE:

- *When not using the remote control unit for an extended period of time (one month or more), remove the batteries in order to prevent damage from leakage. If battery leakage does occur, use a cloth to carefully wipe away the leaked fluid, and insert new batteries.*
- *Do not place books or other objects on top of the remote control unit, since the keys may be pressed down, causing early depletion of the batteries.*
- *If the operating distance of the remote control unit becomes noticeably shorter, the batteries are most likely depleted. Replace them with new batteries.*

MAINTENANCE OF EXTERNAL SURFACES

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzine, insecticide sprays and other chemicals on or near this unit, since these will corrode the surfaces.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.
If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable Cause	Remedy
No power supplied to unit	• Power plug is disconnected from outlet. • The component power plug has been plugged into the power outlet of another component (e.g. timer, etc.), but power to that unit is disconnected.	• Insert plug securely in outlet. • Turn on power to other component.
No sound	• Connecting cords are disconnected from terminals, or connected incorrectly. • Terminals or connecting cords pin plugs are dirty. • The MUTING switch is set to ON. • The pressed input selector switch does not match the desired playback source. • Operation of other components is incorrect. • The speakers selector switches are set to "OFF."	• Connect securely. • Clean terminals and plugs. • Set the switch to OFF. • Press the correct switch (CD, DAT, PHONO, TUNER, TAPE, AUX). • Consult the operating instructions for the other components. • Set one of the switches to "ON."
No sound from one speaker	• Connecting cords or speaker wires are disconnected on that side. • BALANCE control has been adjusted to one side.	• Connect securely. • Adjust BALANCE control to center position.
Can't record tapes	• Connections are incorrect. • Operation of cassette deck is incorrect. • PURE DIRECT LINE switch is on.	• Reconnect properly. • Consult the operating instructions for the cassette deck. • Turn switch off.
Can't perform tape copying	• Operation of cassette decks is incorrect.	• Consult the operating instructions for the cassette decks.

SPECIFICATIONS

Amplifier Section

DIN continuous power output (both channels driven)
1 kHz, 1%, 8 Ω ..... 45 W + 45 W
DIN music power (both channels driven)
1 kHz, 1%, 8 Ω ..... 85 W + 85 W
Continuous power output (both channel driven)
20 Hz to 20 kHz, T.H.D 0.5%, 8 Ω ..... 30 W + 30 W
IEC continuous power output (both channel driven)
63 Hz to 12.5 kHz, T.H.D 0.7%, 8 Ω ..... 40 W + 40 W
Total harmonic distortion
1 kHz, 25 W, 8 Ω ..... 0.005% *
Input (sensitivity/impedance)
PHONO ..... 2.5 mV/50 kΩ
TUNER, CD, AUX, TAPE PLAY, DAT PLAY, ADAPTOR
..... 150 mV/50 kΩ
Overload level
PHONO 1 kHz, 0.1% ..... 150 mV
Output
TAPE REC, DAT REC, ADAPTOR OUT ..... 150 mV
Frequency Response
PHONO ..... 20 Hz to 20 kHz ±0.5 dB
TUNER, CD, AUX, TAPE PLAY, DAT PLAY, ADAPTOR
..... 10 Hz to 100 kHz $^{+1}_{-3}$ dB
CD (CD DIRECT ON) ..... 10 Hz to 100 kHz $^{+1}_{-3}$ dB
Tone Control
BASS ..... ±8 dB (100 Hz)
TREBLE ..... ±8 dB (10 kHz)
BASS EQUALIZER ..... +8 dB (60 Hz)
MUTING ..... −20dB/−∞
Signal-to-Noise ratio (short circuited, A network)
PHONO ..... 72 dB
TUNER, CD, AUX, TAPE PLAY, DAT PLAY, ADAPTOR .. 93 dB
CD (CD DIRECT ON) ..... 100 dB
Signal-to-Noise ratio (DIN, continuous power/50 mW)
PHONO ..... 68 dB/60 dB
TUNER, CD, AUX, TAPE PLAY, DAT PLAY, ADAPTOR
..... 82 dB/62 dB
CD (CD DIRECT ON) ..... 82 dB/62 dB

Power Supply/Miscellaneous

Power requirements ..... AC 220 V ~, 50/60 Hz
Power consumption ..... 250 W
AC outlets
Switched (× 3) ..... 100 W
Dimensions ..... 360 (W) × 346 (D) × 121 (H) mm
Weight ..... 6.0 kg

Accessories

Operating instructions 1
Remote control unit 1
Dry-cell batteries (size AAA/R03) 2

- *Specifications and design subject to possible modification without notice, due to improvements.*
- **Measured by Audio Spectrum Analyzer.*

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Merci d'avoir acheté ce produit PIONEER.
Veuillez bien lire ces instructions de fonctionnement de facon à savoir faire fonctionner votre modèle correctement. Après avoir terminé la lecture des instructions, rangez-les dans un endroit sûr pour des références futures.

Dans certains pays ou régions, l'aspect de la fiche et celui de la sortie secteur peuvent parfois différer de ce qui est indiqué dans les dessins explicatifs. Toutefois, la méthode de connexion et de mise en fonctionnement de l'appareil sont les mêmes.

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CARACTERISTIQUES

Puissance de sortie de 45 W + 45 W/8 Ω (DIN)

Circuit Non-Commutable Nouvellement Développé Garantit une Haute Qualité des Sons Reproduits.

Les commutateurs d'entrée DIRECT sont prévus pour une meilleure reproduction des disques compacts et des bandes audio-digitales.

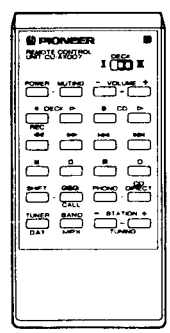
La télécommande peut être utilisée pour des opérations de télécommande de base de l'amplificateur, du tuner, du lecteur de CD, d'une platine cassette ou d'un égaliseur graphique.

Commutateur de ligne directe pure (PURE DIRECT LINE)
Lorsque vous utilisez la fonction d'entrée CD DIRECT, ce commutateur coupe les entrées des autres sources qui ne sont pas utilisées par l'étage d'entrée de l'amplificateur. La reproduction de sons pures est alors rendue possible.

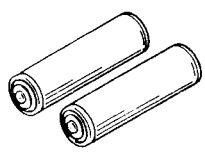
REMARQUE:
Dans ce manuel, le mot "DAT" se rapporte à la platine de bande audio numéripue. Les bornes et les touches sont marquées avec un "DAT" pour faciliter l'achat d'une platine de ce type à l'avenir.

AVANT D'UTILISER CET APPAREIL

Assurez-vous que tous les accessoires sont présents.
Télécommande 1
(CU-AX007)



Piles à cellule (Type AAA/R03)
..... 2



REMARQUE:
Si les piles à cellule sont usagées, des fuites et fissures peuvent survenir. Notez bien les précautions suivantes:
- *Insérez les piles en respectant les polarités comme indiqué dans le diagramme à l'intérieur du compartiment à piles.*
- *N'utilisez pas des piles neuves avec des piles qui ont déjà servi.*
- *Des piles du même type peuvent avoir une tension différente suivant le constructeur. N'utilisez pas des piles provenant de différents constructeurs ensemble.*